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ATTORNEY DOCKET NO. FIRST NAMED INVENTOR FILING DATE APPLICATION NO. Ε 6029-7976 JOHNSON 12/24/98 09/220,617 **EXAMINER** HM22/0718 HAYES, R DONALD HOLLAND PAPER NUMBER **ART UNIT** HOWELL & HAFERKAMP 7733 FORSYTH BOULEVARD 1647 **SUITE 1400** ST LOUIS MO 63105 **DATE MAILED:** 

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

07/18/00

PTO-90C (Rev. 2/95) U.S. G.P.O. 1999 480-693 1- File Copy



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER	FILING DATE FIRST NAMED APPLICANT		ATTORNEY DOCKET NO.	
09/220,617		1	EXAMINER	
			ART UNIT	PAPER NUMBER
		1	DATE MAILED:	8

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply. It should be noted that 37 CFR 1.821 (a)(2)(c-d) states that each sequence disclosed must appear separately in the "Sequence listing" and in the text of the description and claims (i.e., where first mentioned in the specification). See MPEP 2431. For example, pages 8-11 of the specification discloses nucleotide and amino acid sequences for Figures 7-8, 11 & 13-14. Additionally, it does not appear that Figure 9 is represented by a SEQ ID NO, in that SEQ ID NO:13 is 348 nucleotide residues, and SEQ ID NO:14 is 87 nucleotide residues. It is also unclear whether the sequences depicted in Figures 5 & 16 are represented by a SEQ ID NO, as required. SEQ ID NO:11 of Figure 7 is 591 nucleotide residues, versus the 594 residues disclosed in Figure 7, and SEQ ID Nos:240-242 are oligonucleotides sequences and not protein sequences as disclosed in Figure 15, etc. Please recheck that all sequences are mentioned at least once in the specification and are directed toward the correct sequence. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Any inquiry concerning this communication should be directed to Examiner Robert C. Hayes, Art Unit 1647, whose telephone number is 703-305-3132.

APPLICANT IS GIVEN A ONE MONTH EXTENDABLE PERIOD WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for response beyond the six month statutory period. Applicant is requeșted to return a copy of the attached Notice to Comply with the response.

∫≿∀ Robert C. Hayes, Ph.D.; July 17, 2000

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

## Application No.: 9/220,617 NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
7. Other:
Applicant Must Provide:
An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).
For questions regarding compliance to these requirements, please contact:
For Rules Interpretation, call (703) 308-4216
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